



## A Special Word About UN2800 and MSA Products

Several MSA products are classified as “Batteries, wet, non-spillable, 8, UN2800, III”. These products are divided into two categories:

1. Luminator® cap lamp batteries
2. Certain instrument sensor cells

**Due to differences in performance characteristics, these categories of MSA products are regulated as hazardous material, but to differing degrees.**

Various regulatory authorities, including the U.S. Department of Transportation (“DOT”), the International Civil Aviation Organization (“ICAO”), and the International Maritime Dangerous Goods Code (“IMDG”) “exclude” from the regulations certain non-spillable cells / batteries that:

1. Pass vibration and pressure differential tests,
2. Are packaged in a way that prevents short circuits,
3. At a temperature of 55°C, do not exhibit electrolyte flow from a ruptured or cracked case and there is no free liquid to flow, and
4. Are marked as "NONSPILLABLE" on the cell / battery and outer package.

<b>Luminator Cap Lamp Batteries – Formerly Classified as “H” on MSA’s Invoice</b>
Since MSA Luminator cap lamp batteries do not meet requirement #3 above, they are subject to the DOT, ICAO, and IMDG regulations.
<b>Instrument Sensor Cells – Formerly Classified as “Q” on MSA’s Invoice</b>
MSA Instrument sensor cells classified as UN2800 do meet all applicable criteria above, therefore, they are “excluded” from most DOT, ICAO and IMDG regulations, provided they are marked as “NONSPILLABLE.”  In addition, for ICAO regulated shipments Section 4.4, Special Provisions A48 and A67 from the IATA Dangerous Goods Regulations apply. Section A48 states that packaging tests are not considered necessary. Section A67 states that the words “Not Restricted” and the Special Provision number must be included in the description of the substance on the Air Waybill as required by 8.2.6.

If the MSA product you are shipping is classified under UN2800, please visit the Hazmat Transport Info link of the MSA PRISM Database at <http://www.msanet.com/prism/hazquery2.htm> to determine the specific shipping requirements. If you have any questions concerning this issue, please contact the appropriate regulatory authority.